CAMS Project

NOAA/CAMS CFS Implementation

Extract CFS Production Accounts Receivable, Budget, and Grant Information Program Module (FINAL)

Version 2.0

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1 Introduction and Purpose

The Extract CFS Accounts Receivable, Budget, and Grants Information Program Module restores required Accounts Receivable General Ledger, Budget General Ledger, and Grants information from the Copy of CFS Production to CFS Production 2003. This restoration supports the FIMA to CFS open document conversion strategy identified in the *FIMA to CFS Conversion Strategy* Document.

The purpose of this module is to preserve data associated with key conversions and implementations during fiscal year 2002. The open document strategy calls for a preservation of information in the following areas:

- During the third quarter of fiscal year 2002, the CAMS Accounts Receivable Team plans to implement Civil Monetary Penalties. All of these transactions need to be preserved in CFS Production 2003.

- It is expected that the Budget Office will enter NOAA's 2003 budget in CFS Production. These transactions would typically be entered between June and September and will need to be preserved in CFS Production 2003.

- The Grants accounts payable implementation and conversion is set to take place in May of 2002. In order to preserve the data that has been converted, these documents need to be extracted.

For each table containing Accounts Receivable, Budget, and Grants information, a set of data is selected and copied to CFS Production 2003, based on criteria described in this document.

1.1 Naming Standards

The Extract CFS Production Accounts Receivable, Budget, and Grants Information Program Module will adhere to the latest version of the CAMS Support Center (CSC) Programming Standards and Guidelines.

Throughout this document, suggested names of objects will be consistently formatted in order to make it easier to distinguish what type of object is being referred to in the design. The following table is a list of each object in this document and its corresponding format.

Object	Description
SCREENS	Named in all caps and italics
Field Names	Named in italics with the first letter of each word capitalized
TABLES	Named in all caps and bold
Column Names	Named in bold with the first letter of each word capitalized
FILES	Named in all caps and underlined
variables	Named in all lowercase and underlined

1.2 Process Flow for the Module

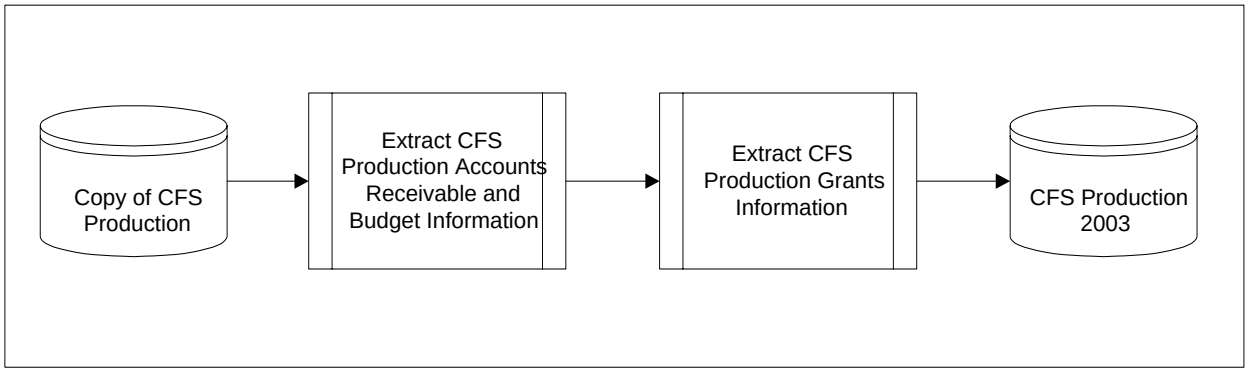

Figure 1. Process Flow of Extract CFS Production

Figure 1 illustrates the overall process flow required to extract the Accounts Receivable, Budget, and Grants Information from the Copy of CFS Production.

Copy of CFS Production. The Copy of CFS Production contains the required input for this module.

Extract CFS Production Accounts Receivable and Budget Information.
This process is responsible for extracting the Accounts Receivable and Budget General Ledger transactions and General Ledger data. All of the information extracted comes from the Copy of CFS Production and is copied to CFS Production 2003.

Extract CFS Production Grants Information. This process consists of several small functions which are responsible for extracting the Grants document transaction and General Ledger data. All of the information extracted comes from the Copy of CFS Production and is extracted to CFS Production 2003.

CFS Production 2003. The extracted data from CFS Production is copied to this database.

1.3 Input to Module

The input to this module is a selected set of information from the Copy of CFS Production.

2 Extract CFS Production Accounts Receivable and Budget Information (Function 1)

2.1 Purpose

The purpose of this function is to extract the Accounts Receivable and Budget General Ledger **TRIAL** table data from the Copy of CFS Production and copy it to CFS Production 2003.

2.2 Process Flow

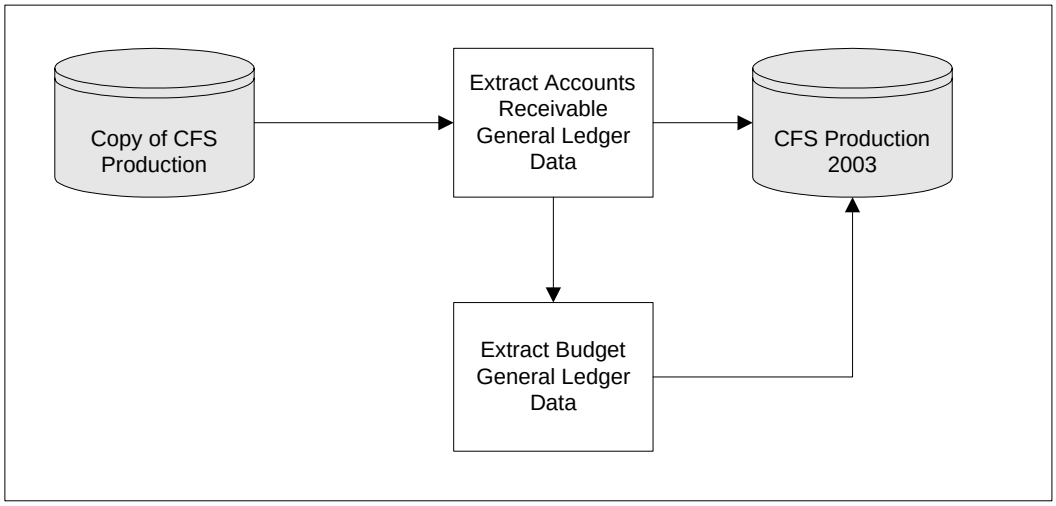

Figure 2. Process Flow of Extraction of CFS Production Accounts Receivable and Budget Information

Figure 2 above illustrates the process flow to extract CFS Production Accounts Receivable and Budget information.

Copy of CFS Production. The Copy of CFS Production contains the required input for this module.

Extract Accounts Receivable General Ledger Data. This sub-function extracts the accounts receivable General Ledger information from the Copy of CFS Production.

Extract Budget General Ledger Data. This sub-function extracts the budget General Ledger information from the Copy of CFS Production.

CFS Production 2003. The extracted data from CFS Production is copied to this database.

2.3 Input

The input to this function is a selected set of criteria from the **TRIAL** table in the CFS Production database at the end of FY 2002.

2.4 Extract Accounts Receivable General Ledger Data

2.4.1 Extract Accounts Receivable General Ledger Data Overall Process Flow

Initially, the data from the **TRIAL** table in CFS Production 2003 is deleted. However, the Accounts Receivable and Budget transactions need to be preserved. This process extracts the **TRIAL** table data from the Copy of CFS Production and copies the data to CFS Production 2003.

Trial entries created by budget transactions are stored with a Subsystem Code (**Subsystem_Code)** of 'FM'. Table 1 shows the Transaction Source (**Trans_Source**) codes with a Subsystem Code equal to 'FM'.

Table 1. Budget Transaction Codes	
Subsystem Code	Trans Source
FM	BUDRES
FM	APPORT
FM	ALLOT
FM	BUDGET
FM	ALLOC

Trial entries created by Accounts Receivable transactions are stored with a Subsystem Code of 'AR'. Table 2 shows the Transaction Source codes with a Subsystem Code equal to 'AR'.

Table 2. Accounts Receivable Codes	
Subsystem Code	Trans Source
AR	RECV
AR	BILL
AR	BADJ

Table 2. Accounts Receivable Codes	
Subsystem Code	Trans Source
AR	RADJ
AR	BCOLL
AR	MCOLL

2.4.2 Logic

To extract the data from the **TRIAL** table in the Copy of CFS Production, data is selected based on the Subsystem Code (as stated above). For the Budget General Ledger data, a Subsystem Code of 'FM' is used to determine the transactions that are moved to CFS Production 2003. For the Accounts Receivable data, a Subsystem Code of 'AR' is used. If no data is found, then an error is written to **CONV_ERRORS** with a description of the error, and the **Error_Flag** on the **CONV_ACTDOC** table is updated with a 'Y'.

2.4.3 Output

The output of this process is the population of the **TRIAL** table in the CFS Production 2003 database with the information described in Tables 1 and 2.

3. Extract CFS Production Grants Information (Function 2)

3.1 Purpose

The purpose of this function is to extract the Grants data from the Copy of CFS Production and copy it to CFS Production 2003. Grants data is converted in a separate conversion effort (for FIMA **Document_Type** '04') and is not included in this open document conversion effort. Grants data is reconciled in the Compare FIMA ACTDOC and CFS Production Program Module. Reconciliation errors will be reported; however, all grants data must be preserved.

3.2 Process Flow

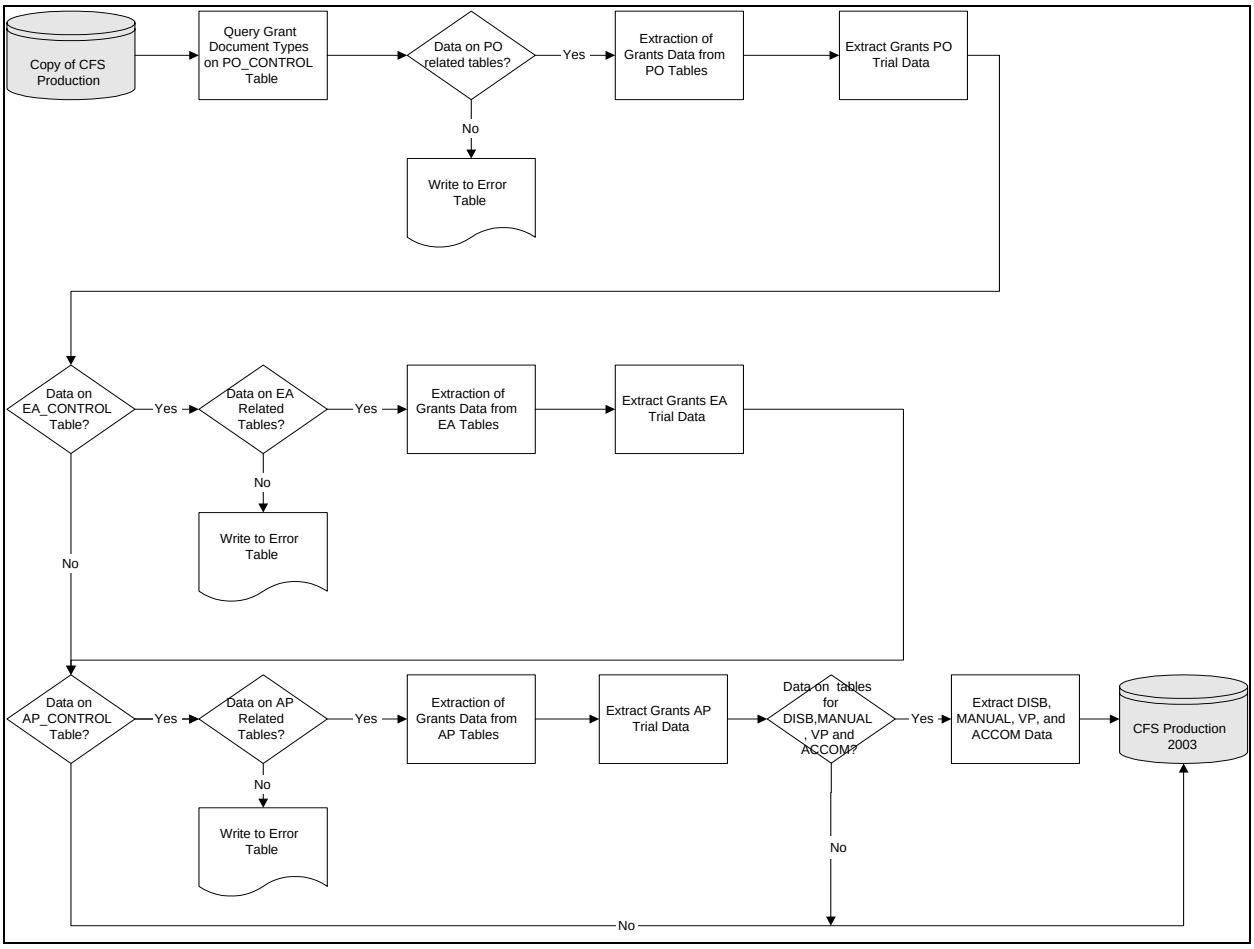

Figure 3. Process Flow of Extract CFS Production Grants Information

The figure above describes the process flow needed to extract Grants data.

Query Grant Document Types on PO_CONTROL Table This process finds a selected group of data from the **PO_CONTROL** table for Grants information.

Data on PO Related Tables?. This decision point determines whether or not information exists on the other Purchase Order detail tables in the Copy of CFS Production. If the answer is yes, then data is selected from the Purchase Order tables in the *Extraction of Grants Data from PO Tables* function. If no, then a record is written to the error table for that document row.

Extraction of Grants Data from PO Tables Data is extracted from the Purchase Order tables.

Extract Grants PO Trial Data This process extracts the Grants Purchase Order data from the **TRIAL** table.

Data on EA_CONTROL Table? This decision point determines if data exists on the **EA_CONTROL** table for Grants documents. If the answer is no and a Purchase Order exists, then the process flow moves to the *Data on AP_CONTROL Table?* decision point. If the answer is yes, then the process moves to the decision point *Data on EA Related Tables?*

Data on EA Related Tables? If data is found on the Estimated Accruals related tables, then the extraction process continues with the *Extraction of EA Tables* function. If data is not found, then a record is written to the errors table for that document row.

Extraction of Grants Data from EA Tables Data is extracted from the Estimated Accruals tables.

Extract Grants EA Trial Data This process extracts the Estimated Accruals data for Grants from the **TRIAL** table.

Data on AP_CONTROL Table? This decision point determines if data exists on the **AP_CONTROL** table. If the answer is no, then the process flow ends and data is entered into CFS Production 2003. If the answer is yes, then the process moves to the decision point *Data on AP Related Tables?*

Data on AP Related Tables? If data is found on the Accounts Payable related tables, then the extraction process continues with the *Extraction of Grants Data from AP Tables* function. If data is not found, then a record is written to the errors table for that document row.

Extraction of Grants Data from AP Tables Data is extracted from the Accounts Payable tables.

Extract Grants AP Trial Data This process extracts the Grants Accounts Payable data from the **TRIAL** table.

Data on tables for DISB, MANUAL, VP, and ACCOM? This decision point determines if data is on the **TRIAL** table for the Transaction Source codes:

'DISB', 'MANUAL', 'VP', or 'ACCOM'. If data is not found, then the module stops processing. If data is found, then the module moves to the *Extract DISB, MANUAL, VP, and ACCOM Data* function.

Extract DISB, MANUAL, VP, and ACCOM Data Grants related disbursements, manual transactions, voided payments, and accomplishments are copied from the **TRIAL** table.

3.3 Input

The input to this function is a selected set of data from the tables listed below (in Section 3.5.1.1) that reside in the Copy of CFS Production.

3.4 Query Grant Document Types on PO_CONTROL Table

*3.4.1 Query Grant Document Types on **PO_CONTROL** Table*

This process creates a query that selects Grants data from the **PO_CONTROL** table in the Copy of CFS Production. This data is selected by using the four document types (**Document_Type**) that are associated with Grants on the table: 'ZGRANT', 'YGRANT', 'GRANT', and 'GRANTD'. Using these document types, document numbers (**Document_No**), and transaction numbers (**Trans_No**) are selected and used in the extraction of the Grants table data.

3.4.2 Logic

To select the correct data from the **PO_CONTROL** table:

A query must be performed to select the **Document_No** and **Trans_No** from the **PO_CONTROL** table where the **Document_Type** is equal to 'ZGRANT', 'YGRANT', 'GRANT', or 'GRANTD'.

3.4.3 Output

The output of this process is a selected list of document numbers and transaction numbers from the Copy of CFS Production **PO_CONTROL** table.

3.5 Extraction of PO Tables

3.5.1 Data on PO Related Tables?

3.5.1.1 Input

The input to this process is a selected set of data from the following Purchase Order tables in the Copy of CFS Production:

PO_CONTROL
PO_ITEM
PO_ACCOUNT

3.5.1.2 Logic

This process checks to see if any data exists on the **PO_ITEM** and **PO_ACCOUNT** tables for each **Document_Number** found in Process 3.4.2.

If no data is found on the **PO_ITEM** or **PO_ACCOUNT** tables, then a system problem has occurred in CFS and an error is written to the error table stating why the error occurred. The **Error_Flag** on the Convert ACTDOC (**CONV_ACTDOC**) table is set to 'Y'.

3.5.1.3 Output

The output of this process is different depending on whether or not data exists on the **PO_ITEM** and **PO_ACCOUNT** tables.

If data does exist on both tables, then the module continues processing to the *Extraction of PO Tables* function. If data does not exist, then the module writes a record to the errors table (**CONV_ERRORS**) and the **Error_Flag** on the Convert ACTDOC (**CONV_ACTDOC**) table is set to 'Y'.

3.5.2 Extraction of Grants Data from PO Tables

This process extracts obligation data from the Copy of CFS Production. Information related to the obligation document is stored in the **PO_CONTROL** table; information related to each Purchase Order item is stored in the **PO_ITEM** table; information related to the accounting distribution for each item is stored in the **PO_ACCOUNT** table; item descriptions are stored in the **PO_DESCR** table; approval information is stored in the **PO_APPROVAL** table; and notes information is stored in the **PO_LINE_NOTE** table.

The Purchase Order tables are linked by the Transaction Number (**Trans_No**), which can be used to retrieve data from the related tables.

3.5.2.1 Input

The input to this process is a selected set of data from the following Purchase Order tables in the Copy of CFS Production:

PO_CONTROL
PO_ITEM
PO_ACCOUNT
PO_DESCR
PO_APPROVAL
PO_LINE_NOTE

3.5.2.2 Logic

To correctly extract the data from the PO tables:

Using the **Trans_No**, select the related document information from the following tables: **PO_ITEM**, **PO_ACCOUNT**, **PO_DESCR**, **PO_APPROVAL**, and **PO_LINE_NOTE**. The data is copied to the CFS Production 2003 database.

3.5.2.3 Output

The output of this process is an update of the following tables in CFS Production 2003:

PO_CONTROL
PO_ITEM
PO_ACCOUNT
PO_DESCR
PO_APPROVAL
PO_LINE_NOTE

3.5.3 Extract Grants PO Trial Data

This process extracts data from the **TRIAL** table in the Copy of CFS Production that is related to obligations. When a purchase order is approved, general ledger entries are created in the **TRIAL** table. These entries that are related to the Purchase Order are assigned a Transaction Source of 'OBLIG' and a unique

Transaction Number on the **PO_CONTROL** table. These two columns are used to extract the data from the **TRIAL** table.

3.5.3.1 Input

The input to this process is a selected set of data from the **TRIAL** table in the Copy of CFS Production.

3.5.3.2 Logic

To correctly extract the data for Purchase Orders from the **TRIAL** table:

Select the data from the **TRIAL** table for each document where the **Trans_No** that has been previously selected from the **PO_CONTROL** table is equal to the **Trans_No** on the **TRIAL** table and where the **Trans_Source** is equal to 'OBLIG'. If data is found, it is copied to the CFS Production 2003 database. If data is not found, then an error is written to **CONV_ERRORS** with a description of the error, and the **Error_Flag** on the **CONV_ACTDOC** table is updated with a 'Y'.

3.5.3.3 Output

The output of this process is an update to the **TRIAL** table for PO records in CFS Production 2003.

3.6 Extraction of EA Tables

3.6.1 Data on EA_Control Table?

3.6.1.1 Input

The input for this process is the **EA_CONTROL** table from the Copy of CFS Production.

3.6.1.2 Logic

This process checks to see if any data exists on the **EA_CONTROL** table for all of the documents selected in Process 3.4.2.

3.6.1.3 Output

The output to this process is different depending on whether or not data exists on the **EA_CONTROL** table.

If it does exist, then the module continues processing to the *Data on EA Related Tables?* decision point. If data does not exist, then the module moves to the *Data on AP_CONTROL table?* decision point to see if data can be found on the Vendor Invoice tables.

3.6.2 Data on EA Related Tables?

3.6.2.1 Input

The input to this process is a selected set of data from the following Estimated Accruals tables in the Copy of CFS Production:

EA_CONTROL
EA_ITEM
EA_ACCOUNT

3.6.2.2 Logic

This process checks to see if any data exists on the **EA_ITEM** and **EA_ACCOUNT** tables for each **Document_Number** found in Process 3.4.2.

If no data is found on either of these tables (for the record found on **EA_CONTROL** for the document), an error is written to the error table stating why the error occurred. The error flag on the Convert ACTDOC (**CONV_ACTDOC**) table is set to 'Y'.

3.6.2.3 Output

The output to this process is different depending on whether or not data exists on the **EA_ITEM** and **EA_ACCOUNT** tables.

If it does exist, then the module continues processing to the *Extraction of EA Tables* function. If data does not exist, then the module writes a record to the errors table (**CONV_ERRORS**)**.**

3.6.3 Extraction of Grants Data from EA Tables

This process extracts the estimated accrual data from the Copy of CFS Production. Estimated accrual data is stored in three different tables depending on the relationship of the tables. Information related to the estimated accrual document is stored in the **EA_CONTROL** table; information related to accrued items are stored in the **EA_ITEM** table; and information related to the accounting distribution for each item is stored in the **EA_ACCOUNT** table.

The Estimated Accrual Control Table (**EA_CONTROL**) has a column called **Ea_Control_Id**, which is comparable to the Document Number selected in Process 3.4.2, to extract the **PO_CONTROL** record.

Reversals and voids to accruals use the same **Ea_Control_Id** and tables as the Estimated Accruals, so there is no need for additional processing.

Tables are linked with **Ea_Control_Id** column to retrieve data from the related tables.

3.6.3.1 Logic

To correctly extract the data from the EA tables:

- Select the **Ea_Control_Id** from the **EA_CONTROL** table where the **Document_No** is equal to each Document Number selected from the Copy of CFS Production in Process 3.4.2 above.
- Using the **Ea_Control_Id**, data is selected from **EA_ITEM** and **EA_ACCOUNT**.
- The data is copied to the CFS Production 2003 database.

3.6.3.2 Output

The output of this process is an update of the following tables in CFS Production 2003:

EA_CONTROL
EA_ITEM
EA_ACCOUNT

3.6.4 Extract Grants EA Trial Data

This process extracts the **TRIAL** table data related to Estimated Accruals from the Copy of CFS Production. When estimated accrual transactions are approved, general ledger entries are created in the **TRIAL** table. These entries related to Estimated Accruals are assigned a Transaction Source of 'EA' or 'VOIDEA', and a unique Transaction Number from the **EA_CONTROL** table. These two columns are used to extract the **TRIAL** table data.

3.6.4.1 Input

The input to this process is a selected set of data from the **TRIAL** table in the Copy of CFS Production.

3.6.4.2 Logic

To correctly extract the data for Estimated Accruals from the **TRIAL** table:

Select the data from the **TRIAL** table for each document where the **Ea_Control_Id** that has been previously selected from the **EA_CONTROL** table is equal to the **Ea_Control_Id** on the **TRIAL** table and where the **Trans_Source** is equal to 'EA' or 'VOIDEA' . If data is found it is copied to the CFS Production 2003 database. If data is not found and the transaction has been approved, then an error is written to **CONV_ERRORS** with a description of the error, and the **Error_Flag** on the **CONV_ACTDOC** table is updated with a 'Y'.

3.6.4.3 Output

The output of this process is an update to the **TRIAL** table for PO records in CFS Production 2003.

3.7 Extraction of AP Tables

3.7.1 Data on AP_CONTROL Table?

3.7.1.1 Input

The input to this process is the **AP_CONTROL** table from the Copy of CFS Production.

3.7.1.2 Logic

This process checks to see if any data exists on the **AP_CONTROL** table for all of the documents selected in Process 3.4.2.

3.7.1.3 Output

The output to this process is different depending on whether or not data exists on the **AP_CONTROL** table.

If it does exist, then the module continues processing to the *Data on AP Related Tables?* decision point. If data does not exist, then the module continues to the next document.

3.7.2 Data on AP Related Tables?

3.7.2.1 Input

The input to this process is a selected set of data from the following Accounts Payable tables in the Copy of CFS Production:

AP_CONTROL
AP_DETAIL

3.7.2.2 Logic

This process checks to see if any data exists on the **AP_DETAIL** table for each **Document_Number** found in Process 3.4.2.

If no data is found on the **AP_DETAIL** table, then an error is written to the error table stating why the error occurred, and the error flag on the Convert ACTDOC (**CONV_ACTDOC**) table is set to 'Y'.

3.7.2.3 Output

The output to this process is different depending on whether or not data exists on the **AP_DETAIL** table.

If the data does exist, then the module continues processing to the *Extraction of AP Tables* function. If data is not found, then an error is written to **CONV_ERRORS** with a description of the error, and the **Error_Flag** on the **CONV_ACTDOC** table is updated with a 'Y'.

3.7.3 Extraction of Grants Data from AP Tables

This process extracts the accounts payable invoice data from the Copy of CFS Production. Accounts payable data is stored in two different tables depending on the relationship of the tables. Information related to the invoice is stored in the **AP_CONTROL** table; item information and the accounting distribution for each item of the invoice is stored in the **AP_DETAIL** table.

Tables are linked with the transaction number (**Trans_No**) column to retrieve the data from related tables.

If an invoice is voided using the *Void Vendor Invoice Transaction Screen (PM044)*, voided information is recorded/stored on the **AP_VOID** table. This table has the following columns which are used to tie to the Accounts Payable tables: Invoice Transaction Number (**Invoice_Trans_No**), Invoice Number (**Invoice_No**), and Sub-Invoice Number (**Sub_Invoice_No**).

If accounting information is changed after accomplishments are made using the *Advice of Correction Transaction Screen (PM006)*, the invoice data with the new ACCS values are stored in the following tables: **APC_CONTROL** , **APC_ITEM**, **APC_ACCOUNT,** and **APC_APPROVAL**. The **APC_CONTROL** table has the following columns which are used to tie to the Accounts Payable tables: Accounts Payable Transaction Number (**AP_Trans_No**), Invoice Number (**Invoice_No**), and Sub-Invoice Number (**Sub_Invoice_No**).

3.7.3.1 Input

The input to this process is a selected set of data from the following Accounts Payable tables in the Copy of CFS Production:

AP_CONTROL

AP_DETAIL
AP_VOID
APC_CONTROL
APC_ITEM
APC_ACCOUNT
APC_APPROVAL

3.7.3.2 Logic

To correctly extract the data from the Accounts Payable tables:

- Select the **Trans_No** from the **AP_CONTROL** table where the **Document_Number** is equal to each Document Number selected from the Copy of CFS Production in Process 3.4.2 above.

- Using the **Trans_No**, data is selected from the **AP_DETAIL** table. If data is found on the table, then the record is inserted into CFS Production 2003.

- If the **Invoice_Status** is 'VOID' on the **AP_CONTROL** table, then select the **AP_VOID** records from the Copy of CFS Production where the **Invoice_Trans_No** from the **AP_CONTROL** table is equal to the **Trans_No** of the document being queried. If data is found on the table then insert the record into CFS Production 2003.

- If the **APC_Flag** of the **AP_DETAIL** table is equal to 'Y', then select the **APC_CONTROL** records from the Copy of CFS Production where the **Invoice_Trans_No** from the **AP_CONTROL** table is equal to the **Trans_No** of the document being queried. If data is found on the table, then insert the record into CFS Production 2003. Select the **APC_ITEM**, **APC_ACCOUNT** and **APC_APPROVAL** records from the Copy of CFS Production using the **Trans_No** of the **APC_CONTROL** table. If data is found, then insert the record into CFS Production 2003.

3.7.3.3 Output

The output of this process is an update of the following tables in CFS Production 2003:

AP_CONTROL

AP_DETAIL
AP_VOID
APC_CONTROL
APC_ITEM
APC_ACCOUNT
APC_APPROVAL

3.7.4 Extract Grants AP Trial Data

This process extracts the **TRIAL** table data related to the Accounts Payable data from the Copy of CFS Production. When the invoice is approved (PM003), the invoice is released for payment (PM102), the invoice is voided (PM044), or the ACCS on the invoice is corrected (PM006), general ledger entries are created in the **TRIAL** table for the associated transactions.

The entries related to the invoice and accrual are assigned a Transaction Source (**Trans_Source**) of 'AP' or 'ACCR', and a Transaction Number (**Trans_No**) on the **AP_CONTROL** table. These two columns are used to extract the data from the **TRIAL** table. Penalties and discounts are stored with a Transaction Source equal to 'ACCR' and are also linked by the Transaction Number in the **TRIAL** table.

The entries related to voided invoices are assigned a Transaction Source of 'APVOID' and the Transaction Number on the **AP_VOID** table. If data exists for voided invoices, these two columns are used to extract the data in the **TRIAL** table.

The entries related to the advice of correction are assigned a Transaction Source of 'APC' and a Transaction Number on the **APC_CONTROL** table. If data exists for advice of correction entries, these two columns are used to extract the data from the **TRIAL** table.

3.7.4.1 Input

The input to this process is a selected set of data from the **TRIAL** table in the Copy of CFS Production.

3.7.4.2 Logic

To correctly extract the data for Account Payables from the **TRIAL** table:

- Select the data from the **TRIAL** table for each document where the **Trans_No** that has been previously selected from the **AP_CONTROL** table is equal to the **Trans_No** on the **TRIAL** table, and where the **Trans_Source** is equal to 'AP' or 'ACCR'. If data is found, it is copied to the CFS Production 2003 database. If data is not found, then an error is written to **CONV_ERRORS** with a description of the error.

- Select data from the **AP_VOID** table where the **Trans_No** that has been previously selected from the **AP_CONTROL** table is equal to the **Trans_No** on the **AP_VOID** table and the **Trans_Source** is equal to 'APVOID'. If data is found, it is copied to the CFS Production 2003 database.

- Select data from the **APC_CONTROL** table where the **Trans_No** that has been previously selected from the **AP_CONTROL** table is equal to the **Trans_No** on the **APC_CONTROL** table and the **Trans_Source** is equal to 'APC'. If data is found, it is copied to the CFS Production 2003 database.

3.7.4.3 Output

The output of this process is an update to the **TRIAL** table for PO records in CFS Production 2003.

3.8 Extraction of Trial Data Related to DISB, MANUAL, VP, and ACCOM Transactions

3.8.1 Data on tables for DISB, MANUAL, VP and ACCOM?

3.8.1.1 Input

The input to this process is a selected set of data from the **TRIAL** table in the Copy of CFS Production.

3.8.1.2 Logic

This process checks to see if any data exists on the **TRIAL** table for each document found in Process 3.4.2.

3.8.1.3 Output

The output to this process is different depending on whether or not data exists on the **TRIAL** table.

If it does exist, then the module continues processing to the *Extract DISB, MANUAL, VP, and ACCOM Data* function. If data does not exist, then the module moves to the next document.

3.8.2 Extract DISB, MANUAL, VP, and ACCOM Data

This process extracts the **TRIAL** table data related to the automatic disbursement, manual disbursement, void payment, and accomplishment transactions from the Copy of CFS Production.

When the invoice is disbursed (PM206 or PM041), voided (PM042), or accomplished (PM005), general ledger entries are created in the **TRIAL** table for the associated accounts.

Entries related to the disbursements are assigned a transaction source (**Trans_Source**) of 'DISB' and an originating document number (**Org_Document_No**) that is that same as the transaction number (**Trans_No**) on the **AP_CONTROL** table. The originating document type (**Org_Document_Type**) is the same as the invoice type (**Invoice_Type**) on the **AP_CONTROL** table. These three columns are used to extract the **TRIAL** table data.

Entries related to manual payments are assigned a transaction source of 'MANUAL' and an originating document number that is the same as the transaction number on the **AP_CONTROL** table. The originating document type

is the invoice type on the **AP_CONTROL** table for manual payments. These three columns are used to extract the **TRIAL** table data.

Entries related to void payments are assigned a transaction source of 'VP' and an originating document number that is the same as the transaction number on the **AP_CONTROL** table. The originating document type is the invoice type on the **AP_CONTROL** table. These three columns are used to extract the **TRIAL** table data for void payments.

Entries related to accomplishments are assigned a transaction source of 'ACCOMP' and an originating document number that is the same as the transaction number on the **AP_CONTROL** table. The originating document type is the invoice type on the **AP_CONTROL** table. These three columns are used to extract the **TRIAL** table data for accomplishments.

3.8.2.1 Input

The input to this process is a selected set of data from the **TRIAL** table in the Copy of CFS Production.

3.8.2.2 Logic

To correctly extract the data for Disbursements, Manual transactions, Voided Payments, and Accomplishments from the **TRIAL** table:

Select the data from the **TRIAL** table for each document where the **Trans_No** and **Invoice_Type** from the **AP_CONTROL** table are equal to the **Org_Document_No** and **Org_Document_Type** on the **TRIAL** table, and where the **Trans_Source** is equal to 'DISB' or 'MANUAL' or 'VP' or 'ACCOMP'. If data is found, it is copied to the CFS Production 2003 database.

3.8.2.3 Output

The output of this process is an update to the **TRIAL** table for accounts payable records in CFS Production 2003.

4 Issues

- The data selected from the **TRIAL** table for Accounts Receivable and Budget General Ledger transactions is based only on the Transaction

Source code. Should this also be limited by fiscal year? Do we want to bring in all of the transaction history in CFS? Will this cause any problems?
Issue Owner(s): CAMS Design and Conversion Team, CAMS Accounts Receivable Team, CAMS Budget Team

- The FIMA General Ledger does not currently contain document-level account balances for Accounts Receivable data, only fund-level account balances exist. These documents are being manually converted, and the CFS Accounts Receivable data will have to be manually reconciled with FIMA.
  Issue Owner(s): CAMS Design and Conversion Team, CAMS Accounts Receivable Team, Accounting Operations Division, Financial Reporting Division

- The CD&C Team needs to better understand modifications to the general ledger posting process in the recently delivered Accounts Receivable Module.
  Issue Owner(s): CAMS Design and Conversion Team

- The Grants implementation and functionality have still not been delivered. Any changes in software or modifications in the implementation could change the processing in this module.
  Issue Owner(s): CAMS Design and Conversion Team

- The CD&C will identify how NIST moved no-year funds to the current year in their conversion effort and what implications will result in the FIMA to CFS conversion.
  Issue Owner(s): CAMS Design and Conversion Team

- All CSPS documents should be moved to FM040 in the Open Document Conversion.
  Issue Owner(s): CAMS Design and Conversion Team

5 Risks

- Any modification to the CFS General Ledger posting process could affect the proper extract of general ledger data.

6 References

The information discussed in this document was compiled by conducting a series of design meetings, reviewing CFS functionality and documentation, and reviews of supporting technical documentation.

References specific to this document are listed below. For all other references, please refer to the *Overview of the Automated Accounts Payable Open Document Conversion Detailed Design.*

- Discussion with Steve Brunvoll regarding Accounts Payable and CFS-FIMA functionality.